PROJECT DESCRIPTION

I. GENERAL:

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 130 (GREENSPRING VALLEY RD.) AND GREENSPRING AVENUE IN BALTIMORE COUNTY. STREET LIGHTING IS EXISTING AT THE INTERSECTION. THE ROUTE ASSEMBLY AND STREET NAME SIGNS SHALL BE MODIFIED.

MD 130 (GREENSPRING VALLEY RD.) IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION:

THE INTERSECTION OPERATES IN A NEMA FIVE-PHASE, FULL- TRAFFIC-ACTUATED MODE, WITH AN EXCLUSIVE/PERMISSIVE LEFT TURN FOR SOUTHBOUND GREENSPRING AVENUE. THE EXISTING VIDEO CAMERA'S SHALL BE RELOCATED ONTO THE PROPOSED STRUCTURE TO PROVIDE DETECTION FOR GREENSPRING AVE. THE EXISTING PROBE CABLES SHALL BE DISCONNECTED AND RE-ROUTED TO PROVIDE THE EXTENSION DETECTION FOR MD 130.

A FULL-TRAFFIC-ACTUATED , EIGHT-PHASE CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN A SIZE '6' BASE MOUNTED CABINET SHALL BE INSTALLED AT THE INTERSECTION.

III. SPECIAL NOTES:

THE CONTRACTOR SHALL CONTACT MR, ROBERT SNYDER, SHA-TRAFFIC OPERATIONS, AT 410-788-7631: 72 HOURS PRIOR TO THE COMPLETION OF THE ABOVE RECONSTRUCTION TO HAVE THE TELEPHONE DROP RELOCATED. THE NEAREST HOUSE NUMBER IS NUMBER 1230 IVY HILL.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION								
9000	IEA	FULL- TRAFFIC- ACTUATED, EIGHT-PHASE CONTROLLER WITH ONE- FOUR CHANNEL AMPLIFIER, CAMERA INTERFACE AND ALL NECESSARY EQUIPMENT HOUSED IN SIZE '6' BASE MOUNTED CABINET.								
9571	42 SF	SHEET ALUMINUM:								
		MAST ARM MOUNTED SIGNS:								
		2 EA RIO-IIA "NO TURN ON RED" (24" X 30") I EA R3-5L "LEFT TURN ONLY" (24" X 30") I EA D3-2 "Greenspring AVE" (VARIABLE X 16") DUAL FACED I EA RIO-I2 "LEFT TURN YIELD ON GREEN" (36" X 42")								
		MAST ARM POLE MOUNTED SIGNS:								
		2 EA D3-2 "Greenspring Valley RD" (VARIABLE X 16")								
NOTE:	36 SF	GROUND MOUNTED SIGNS:								
		COST FOR THE RELOCATION OF SIGNS HAS BEEN INCLUDED IN ITEM NO. 8054 (SIGN NUMBER 27 SHALL								

REQUIRE WOOD SUPPORT HARDWARE)

PROJECT CONTACTS

CONTACT PERSONS FOR	
DISTRICT 4 ARE AS FOLLOWS:	

MR. RANDALL SCOTT ASSISTANT DISTRICT ENGINEER TRAFFIC - 410-321-2781

MR. GRADON TOBERY ASSISTANT DISTRICT ENGINEER CONSTRUCTION - 410-321-2821

MR. STEVE MARCISZEWSKI ASSISTANT DISTRICT ENGINEER MAINTENANCE - 410-321-2761

MS. SUENETTE POPE ASSISTANT DISTRICT ENGINEER UTILITIES - 410-321-2841

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY:

MR. RICHARD DAFF SR. CHIEF, TRAFFIC OPERATIONS 410-787-7630

MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF. TRAFFIC OPERATIONS DIVISION 410-787-7631

MR. ED RODENHIZER TEAM LEADER - SIGNAL OPERATIONS 410-787-7652

MR. DERRICK DICKERSON PROJECT MANAGER - TRAFFIC ENGINEERING DESIGN DIVISION 410-787-5856

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR:

ITEM NO.	QUANTITY	DESCRIPTION	
1001	2 EA	MAINTENANCE OF TRAFFIC	
2002	2 CY	TEST PIT EXCAVATION	
5001	107 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS (ANY	WIDTH)
5006	79 LF	24" WHITE HEAT APPLIED PERMANENT THERMOPLASTIC PAVEMENT MA	ARKINGS
8001	8 CY	CONCRETE FOUNDATION	
8008	2 EA	CONTROL CABLE, 200' VIDEO DETECTOR CAMERA TO CONTROLLER	
8018	1 EA	PEDESTAL POLE 10' WITH BREAKAWAY BASE (4 - 1" X 40" ANCHOR	R BOLTS)
8019	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT	
8024	353 LF	DISCONNECT, PULL-BACK, AND REROUTE PROBE CABLES	
8027	34 L.F.	WOOD SIGN SUPPORT 4" X 4"	
8028	18 L.F.	WOOD SIGN SUPPORT 4" X 6"	
8029	120 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	
8031	35 L.F.	1" ELECTRICAL CONDUIT GALVANIZED SLEEVE	
8036	140 LF	4" SCHEDULE 80 PVC CONDUIT- BORED	
8037	15 LF	2" SCHEDULE 80 PVC CONDUIT- TRENCHED	
8038	45 LF	3" SCHEDULE 80 PVC CONDUIT- TRENCHED	
8039	20 LF	4" SCHEDULE 80 PVC CONDUIT- TRENCHED	
8044	1 EA	METERED SERVICE PEDESTAL	
8046	21 LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 4 AWG -THHN/THWN (3 WIRES	5)
8052	3 EA	ELECTRICAL HANDHOLE	
8054	36 S.F.	INSTALL GROUND MOUNTED SIGNS	
8055	42 SF	INSTALL OVERHEAD SIGNS	
8066	1 EA	27' STEEL POLE WITH 70' MAST ARM (4 - 2" $ imes$ 90" ANCHOR BOLT	S)
8073	З ЕА	GROUND ROD (3/4" DIA X 10' LENGTH)	
8074	З ЕА	8" VEHICULAR TRAFFIC SIGNAL HEAD SECTION	
8075	34 EA	12" VEHICULAR TRAFFIC SIGNAL HEAD SECTION (29 SECTIONS SHALL BE POLYCARBONATE)	
8083	80 LF	ELECTRICAL CABLE 5- CONDUCTOR NO. 14 AWG	WI
8084	1050 LF	ELECTRICAL CABLE 7- CONDUCTOR NO. 14 AWG	A,B,C,D
8089	1 EA	15' LIGHTING ARM ON SIGNAL STRUCTURE	E,F,G,
8094	1 EA	INSTALL CONTROLLER AND BASE MOUNTED CABINET	H,J,K,L
			M, N

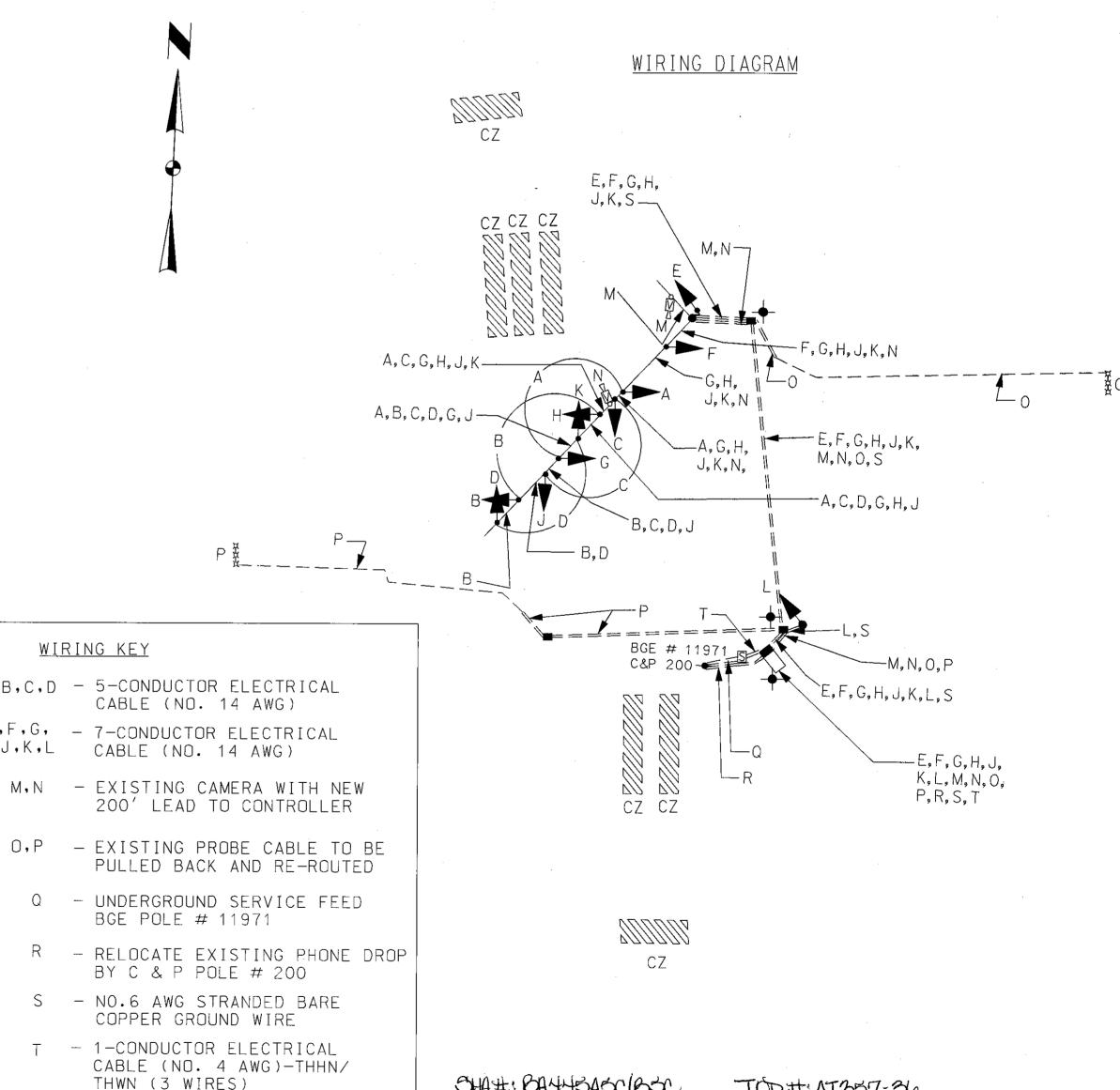
EQUIPMENT LIST "C"

SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE EXISTING CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

	R Y G	(R) (S)	R Y G	R Y G	RYG	R Y G	RYG	R Y G	R YYYY GG G	RYG	\$ \\$ \\$	
Phase 2 & 6	G	G	G	G	G	R	R	R	R	R	R	4 ——
2 & 6 Change	Y	Υ	Υ	· Y	Υ	R	R	R	R	R	R	
Phase 4 & 7	R	R	R	R	R	R	R	G	4 G −	G	↓ G−	
7 Change	R	R	R	R.	R	R	R	G	◆ Y	G	4 Y −	*
Phase 4 & 8	R	R	R	R	R	G	G	G	G	G	G	
4 & 8 Change	R	R	R	R	R	Y	Y	Υ	Υ	Υ	Υ.	*
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	† A

EXISTING PHASING

1 2 3 4 5 6 7 8 9 10 11



CHATE BAYYBASCIBSC TOD#: AT357-86 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET MD 130 (GREENSPRING VALLEY RD.)

AND GREENSPRING AVENUE DRAWN BY F.A.P. NO. CHECKED BY: EMM, TH S.H.A. NO. AT3575185

COUNTY

Ш CENTURY ENGINEERING, INC. CONSULTING ENGINEERS - PLANNERS 32 WEST ROAD TOWSON, MARYLAND 21204

- CAMERA DETECTOR ZONE

- - 3/4" \times 10' GROUND ROD

- METERED SEVICE PEDESTAL

07/05/2004 LOG MILE: ___03130004.41 o: *TRANSDWG*22171*task 41*GII30AND GREENSPRING.dgn

NOT TO SCALE

SCALE

BALTIMORE

T.I.M.S. NO.

SHEET NO.